

## Byers Gill Solar EN010139

# 7.8 Mitigation Route Map

Planning Act 2008 APFP Regulation 5(2)(q) Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 Volume 7

February 2024

Revision C01



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### 1. Introduction

#### **1.1.** Purpose of this document

- 1.1.1. This Mitigation Route Map has been prepared to support an application made by RWE (the Applicant) to the Planning Inspectorate (PINS) under section 37 of the Planning Act 2008 for a Development Consent Order (DCO). If made, the DCO would grant consent for Byers Gill Solar (the Proposed Development).
- 1.1.2. This Statement has been prepared under Regulation 5(2)(q) of the Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (the APFP Regulations) as a document considered necessary by the Applicant to support the DCO application.
- 1.1.3. This document is provided to demonstrate how all necessary mitigation and other controls identified within the DCO application would be secured. It provides a comprehensive schedule of each individual measure that would be secured, including detail of:
  - why the measure is necessary;
  - the relevant development phase in which the measure is to be implemented;
  - responsibility for implementation;
  - the mechanism through which the measure is secured; and
  - any relevant monitoring requirements.

## 2. Mitigation route map schedule

- 2.1.1. The schedule below provides a route map of the mitigation measures proposed for the Proposed Development during the design, construction, operation and maintenance, and decommissioning phases of development.
- 2.1.2. Table 2-1 includes the following information:
  - Reference A unique reference allocated to each mitigation measure to allow this to be identified easily.
  - Topic The technical topic, or general nature, the mitigation measure applies to.
  - Environmental action / commitment source reference The location in the ES (Document Reference: Volume 6) (the ES) where the environmental action / commitment is detailed as required.
  - Environmental action / commitment The specific mitigation measure to be implemented.
  - Environmental action / commitment objective What the mitigation measure to be implemented is designed to ensure.
  - Type of mitigation (Embedded or Essential) -
    - Embedded mitigation project design principles adopted to avoid or prevent adverse environmental effects; or
    - Essential mitigation measures required to reduce and if possible offset likely significant adverse environmental effects, in support of the reported significance of effects in the environmental assessment.
    - Enhancement measures are also noted where applicable but are not required to be delivered to mitigate impacts of the Proposed Development, and are instead an opportunity that can be further explored.
  - Project stage The stage of the Proposed Development that the environmental action / commitment relates to design; construction; operation and/or decommissioning.
  - Monitoring requirements How the environmental action / commitment should be monitored to ensure its successful implementation.
  - How the environmental action/commitment will be implemented/secured including any achievement criteria or reporting requirements – Details what successful implementation of the environmental action / commitment looks like and which DCO requirement will secure the implementation of the environmental action / commitment.
- 2.1.3. Table 2-1 draws from embedded mitigation specifically outlined in ES Chapter 2 The Proposed Development (Document reference 6.2), and essential mitigation and enhancement outlined in each technical topic included in ES chapters 5-12 (Document reference 6.5 6.12). Measures outlined in individual management plans are not specifically drawn out (although may appear as part of those pulled out by technical

topics), as application of these are secured by virtue of their respective management plan being developed using the outline version of the plan, as committed to in Table 2-1. Typically, a technical topic identifies an embedded or essential mitigation requirement as part of their assessment process, and this is then captured in an outline management plan. These outline management plans are then required by the DCO to inform the production of the relevant detailed management plan. The detailed management plan must then be implemented during the relevant project stage. This ensures each measure is secured for implementation.

- 2.1.4. As part of the EIA process, potential effects have been assessed considering embedded mitigation is applied, and where a significant adverse effect has the potential to arise further mitigation, termed essential mitigation, is proposed where applicable and/or available. Both embedded and essential measures are secured as outlined in Table 2-1, and therefore the level of effect identified in the ES is secured. If further management plans become required in the future, either through consultation with stakeholders or in response to a particular aspect that arises, their requirement will be captured in Table 2-1. It is therefore noted that this document will remain live.
- 2.1.5. It is noted that the undertaker bears ultimate responsibility for the implementation of the mitigations included within this mitigation route map. In practical terms, the Principal Contractor will have the day-to-day responsibility for the implementation of the environmental actions / commitments, together with any relevant sub-contractors and designers. The Principal Contractors compliance with the mitigation route map will be secured via contractual obligations.

#### Table 2-1 Mitigation route map schedule

| Ref. | Торіс                              | Environmental action<br>/ commitment source<br>ref.                       | Environmental action/commitment   | Environmental action /<br>commitment objective   | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage                                | Monitoring<br>requirements   | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements |
|------|------------------------------------|---|---|--|---|--|--|--|
| GEN1 | Overarching<br>measure             | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Provision of a Construction Environmental<br>Management Plan (CEMP).    | Ensure compliance with<br>environmental legislation and<br>minimise adverse<br>environmental impacts<br>during construction of the<br>Proposed Development.  | Embedded  | Construction                                 | Regular review,<br>contractor to determine<br>frequency in<br>development of CEMP.   | Use of outline CEMP<br>(Document reference 6.4.2.6)<br>to implement detailed CEMP<br>(DCO Requirement 4)   |
| GEN2 | Overarching<br>measure             | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Provision of a Decommissioning Environmental<br>Management Plan (DEMP). | Ensure compliance with<br>environmental legislation and<br>minimise adverse<br>environmental impacts<br>during decommissioning of<br>the Proposed Development.   | Embedded  | Decommissioning                              | Regular review,<br>contractor to determine<br>frequency in<br>development of DEMP.   | Use of outline DEMP<br>(Document reference 6.4.2.7)<br>to implement detailed DEMP<br>(DCO Requirement 5)   |
| GEN3 | Overarching<br>measure / Traffic   | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Provision of a Construction Traffic<br>Management Plan (CTMP).          | Ensure construction traffic,<br>including site personnel<br>movements,<br>will be safely controlled at<br>the Proposed Development.  | Embedded  | Construction                                 | Regular review,<br>contractor to determine<br>frequency in<br>development of CTMP.   | Use of outline CTMP<br>(Document Reference 6.4.2.8)<br>to implement detailed CTMP<br>(DCO Requirement 6)   |
| GEN4 | Overarching<br>measure / Pollution | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Provision of a Pollution and Spillage Response<br>Plan (PaSRP).         | Methods to manage<br>pollution and spillage<br>incidents on the Proposed<br>Development site.  | Embedded  | Construction, operation, and decommissioning | As outlined in outline<br>PaSRP, and to be<br>implemented in the<br>detailed PaSRP.  | Use of outline PaSRP<br>(Document Reference 6.4.2.8)<br>to implement detailed PaSRP<br>(DCO Requirement 12)  |
| GEN5 | Overarching<br>measure / Materials | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Provision of a Materials Management Plan<br>(MMP)                       | Reduce the quantity of<br>waste material which needs<br>to be disposed of. Allow for<br>the re-use of contaminated<br>or uncontaminated soil,<br>Made Ground and other<br>material in earthworks.                  | Embedded  | Construction                                 | Regular review,<br>contractor to determine<br>frequency in<br>development of MMP.    | Use outline MMP (Document<br>Reference 6.4.2.10) to<br>implement detailed MMP<br>(DCO Requirement 8)   |
| GEN6 | Overarching<br>measure / Waste     | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Provision of a Site Waste Management Plan<br>(SWMP)                     | Ensure waste is managed<br>efficiently and effectively,<br>with opportunities to<br>reduce, reuse and recycle<br>waste materials wherever<br>possible. To promote best<br>practice and environmental<br>awareness. | Embedded  | Construction, operation, and decommissioning | Regular review,<br>contractor to determine<br>frequency in<br>development of SWMP.   | Use outline SWMP<br>(Document Reference<br>6.4.2.11) to implement<br>detailed SWMP (DCO<br>Requirement 9)  |
| GEN7 | Overarching<br>measure / Soil      | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Provision of a Soil Resources Management Plan<br>(SRMP)                 | Appropriate management of soil resources affected by the Proposed Development.   | Embedded  | Construction, operation, and decommissioning | Regular review,<br>contractor to determine<br>frequency in<br>development of SRMP.   | Use outline SRMP (Document<br>Reference 6.4.2.12) to<br>implement detailed SRMP<br>(DCO Requirement 14)  |
| GEN8 | Overarching<br>measure             | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Provision of a Battery Fire Safety Management<br>Plan                   | Manage the risks and<br>concerns around the<br>potential for a battery fire<br>event in the Battery Energy<br>Storage System (BESS)  | Embedded  | Construction and operation                   | Regular review,<br>contractor to determine<br>frequency in<br>development of Battery | Use outline Battery Fire Safety<br>Management Plan (Document<br>Reference 6.4.2.13) to<br>implement detailed Battery                               |

| Ref.  | Торіс   | Environmental action<br>/ commitment source<br>ref.   | Environmental action/commitment   | Environmental action /<br>commitment objective   | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage   | Monitoring<br>requirements   | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements   |
|-------|---|---|---|--|---|---|--|--|
|       |   |   |   |  |   |   | Fire Safety Management   | Fire Safety Management Plan  |
| GEN9  | Overarching<br>measure /<br>Biodiversity /<br>Landscape                                   | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)   | Provision of a Landscape and Ecological<br>Management Plan (LEMP)   | Successful establishment and<br>future management of<br>biodiversity and landscaping<br>works. Mitigate effects on<br>landscape, biodiversity and<br>heritage features.  | Embedded  | Construction, operation, and decommissioning                        | Plan.<br>Regular review,<br>contractor to determine<br>frequency in<br>development of<br>Landscape and Ecological<br>Management Plan | (DCO Requirement 11)<br>Use outline Landscape and<br>Ecological Management Plan<br>(Document Reference<br>6.4.2.14) to implement<br>detailed Landscape and<br>Ecological Management Plan<br>(DCO Requirement 12)   |
| GEN10 | Overarching<br>measure /<br>Community   | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)   | Provision of a Public Rights of Way (PRoW)<br>Management Plan   | Manage the interactions<br>between the Proposed<br>Development and PRoW<br>impacted by the Proposed<br>Development.  | Embedded  | Construction, operation, and decommissioning                        | Regular review,<br>contractor to determine<br>frequency in<br>development of PRoW<br>Management Plan.                                | Use outline PRoW<br>Management Plan (Document<br>Reference 6.4.2.15) to<br>implement detailed PRoW<br>Management Plan (DCO<br>Requirement 14)  |
| GEN11 | Overarching<br>measure /<br>Biodiversity /<br>Landscape                                   | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)<br>Environmental<br>Masterplans (Document<br>Reference 2.5) | Delivery of Environmental Masterplans   | Successful implementation of<br>proposed planting and<br>landscaping; as well as<br>environmental outcomes<br>and objectives of the<br>Proposed Development.   | Embedded  | Detailed design,<br>construction, operation,<br>and decommissioning | Regular review of<br>delivery, contractor to<br>determine frequency.   | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) and as outlined<br>on Environmental Masterplans<br>(Document Reference 2.5)<br>(DCO Requirement 3) |
| GEN11 | Overarching<br>measure /<br>Contamination<br>potential and<br>geotechnical<br>constraints | ES Appendix 2.1 Phase I<br>Geoenvironmental and<br>Geotechnical Desk Study<br>(Document Reference<br>6.4.2.1)                         | Ground investigation to be undertaken.  | Assist in reducing existing<br>uncertainties around<br>contamination potential.<br>To confirm the shallow<br>ground conditions at the<br>Order Limits to and the<br>suitability of the founding<br>soils where solar PV<br>modules and associated<br>infrastructure is proposed. | Essential   | Detailed design   | As per specification for<br>any ground investigation<br>to be undertaken.  | Ground investigation<br>undertaken to inform details<br>to be submitted under DCO<br>Requirements 3 and 4.   |
| GEN12 | Overarching<br>measure / Waste  | ES Appendix 2.3<br>Assessment of Likely<br>Waste Arisings<br>(Document Reference<br>6.4.2.3)  | Agreements with material suppliers to reduce<br>the amount of packaging through a take-back<br>scheme.  | Minimise the quantities of waste requiring disposal.   | Embedded  | Construction  | Regular review of<br>delivery of CEMP and<br>SWMP, contractor to<br>determine frequency.   | Implementation of CEMP<br>(DCO Requirement 4) and<br>SWMP (DCO Requirement 9),<br>including meeting any targets<br>and reporting requirements<br>within this.  |
| GEN13 | Overarching<br>measure / Waste  | ES Appendix 2.3<br>Assessment of Likely<br>Waste Arisings<br>(Document Reference<br>6.4.2.3)  | Implementation of just-in-time material delivery<br>system to avoid materials being stockpiled,<br>which increases the risk of their damage and<br>disposal as waste. | Minimise the quantities of waste requiring disposal.   | Embedded  | Construction  | Regular review of<br>delivery of CEMP and<br>SWMP, contractor to<br>determine frequency.   | Implementation of CEMP<br>(DCO Requirement 4) and<br>SWMP (DCO Requirement 9),<br>including meeting any targets<br>and reporting requirements<br>within this.  |

| Ref.  | Торіс                          | Environmental action<br>/ commitment source<br>ref.  | Environmental action/commitment  | Environmental action /<br>commitment objective                 | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage | Monitoring<br>requirements   | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting                            |
|-------|--------------------------------|--|--|--|---|---------------|--|---|
| GEN14 | Overarching<br>measure / Waste | ES Appendix 2.3<br>Assessment of Likely<br>Waste Arisings<br>(Document Reference<br>6.4.2.3) | Attention to material quantity requirements to<br>avoid over-ordering and generation of waste<br>materials due to surplus.   | Minimise the quantities of waste requiring disposal.           | Embedded  | Construction  | Regular review of<br>delivery of CEMP and<br>SWMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>SWMP (DCO Requirement 9),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| GEN15 | Overarching<br>measure / Waste | ES Appendix 2.3<br>Assessment of Likely<br>Waste Arisings<br>(Document Reference<br>6.4.2.3) | During site clearance and construction re-use<br>of materials wherever feasible e.g. re-use of<br>excavated soil for earthwork embankments and<br>landscaping.   | Minimise the quantities of waste requiring disposal.           | Embedded  | Construction  | Regular review of<br>delivery of CEMP and<br>SWMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>SWMP (DCO Requirement 9),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| GEN16 | Overarching<br>measure / Waste | ES Appendix 2.3<br>Assessment of Likely<br>Waste Arisings<br>(Document Reference<br>6.4.2.3) | The materials would be sorted or processed<br>and where necessary, treated. Where materials<br>excavated on-site are initially unable to meet<br>the re-use criteria, they would either be<br>treated to make them suitable for use or, as a<br>last resort, disposed off-site as waste. | Minimise the quantities of waste requiring disposal.           | Embedded  | Construction  | Regular review of<br>delivery of CEMP and<br>SWMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>SWMP (DCO Requirement 9),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| GEN17 | Overarching<br>measure / Waste | ES Appendix 2.3<br>Assessment of Likely<br>Waste Arisings<br>(Document Reference<br>6.4.2.3) | Segregation of waste at source where practical.  | Minimise the quantities of waste requiring disposal.           | Embedded  | Construction  | Regular review of<br>delivery of CEMP and<br>SWMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>SWMP (DCO Requirement 9),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| GEN18 | Overarching<br>measure / Waste | ES Appendix 2.3<br>Assessment of Likely<br>Waste Arisings<br>(Document Reference<br>6.4.2.3) | Re-use of materials within construction for<br>example. Re-use of pavement planning in<br>subbase in footpaths.  | Minimise the quantities of waste requiring disposal.           | Embedded  | Construction  | Regular review of<br>delivery of CEMP and<br>SWMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>SWMP (DCO Requirement 9),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| GEN19 | Overarching<br>measure / Waste | ES Appendix 2.3<br>Assessment of Likely<br>Waste Arisings<br>(Document Reference<br>6.4.2.3) | Re-use and recycling off-site where re-use on-<br>site is not practical.   | Minimise the quantities of waste requiring disposal.           | Embedded  | Construction  | Regular review of<br>delivery of CEMP and<br>SWMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>SWMP (DCO Requirement 9),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| GEN20 | Overarching<br>measure / Waste | ES Appendix 2.3<br>Assessment of Likely<br>Waste Arisings<br>(Document Reference<br>6.4.2.3) | Reuse of excavated material within the site, will<br>be undertaken in accordance with the CL:AIRE<br>Definition of Waste: Development Industry<br>Code of Practice   | Responsible reuse of<br>excavated material within<br>the site. | Embedded  | Construction  | Regular review of<br>delivery of CEMP and<br>SWMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>SWMP (DCO Requirement 9),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| GEN21 | Overarching<br>measure / Waste | ES Appendix 2.3<br>Assessment of Likely<br>Waste Arisings<br>(Document Reference<br>6.4.2.3) | All waste to be removed from the Order Limits<br>will be undertaken by fully licensed waste<br>carriers and taken to licensed waste facilities.  | Responsible disposal of waste from the site.                   | Embedded  | Construction  | Regular review of<br>delivery of CEMP and<br>SWMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>SWMP (DCO Requirement 9),<br>including meeting any targets   |

| Ref.  | Торіс                                       | Environmental action<br>/ commitment source<br>ref.   | Environmental action/commitment  | Environmental action /<br>commitment objective  | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage | Monitoring<br>requirements  | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements               |
|-------|---|---|--|---|---|---------------|---|--|
|       |   |   |  |   |   |               |   | and reporting requirements within this.  |
| GEN22 | Overarching<br>measure / Waste              | ES Appendix 2.3<br>Assessment of Likely<br>Waste Arisings<br>(Document Reference<br>6.4.2.3)  | Separate the main waste streams on-site, prior<br>to transport to an approved, licensed third<br>party waste facility for recycling or disposal.   | Responsible recycling and disposal of waste from the site.  | Embedded  | Construction  | Regular review of<br>delivery of CEMP and<br>SWMP, contractor to<br>determine frequency.                            | Implementation of CEMP<br>(DCO Requirement 4) and<br>SWMP (DCO Requirement 9),<br>including meeting any targets<br>and reporting requirements<br>within this.    |
| GEN23 | Overarching<br>measure / Dust               | ES Appendix 2.4<br>Construction Dust<br>Assessment (Document<br>Reference 6.4.2.4)  | Follow the high-risk mitigation measures<br>outlined in IAQM guidance 'Guidance on the<br>assessment of dust from demolition of<br>construction' 2023.   | Eliminate / reduce dust<br>emitting activities.   | Embedded  | Construction  | Regular review of<br>delivery of CEMP,<br>contractor to determine<br>frequency.                                     | Implementation of CEMP,<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 4).                                    |
| GEN24 | Overarching<br>measure / Battery<br>safety  | ES Appendix 2.5 Major<br>Accidents and Disasters –<br>Battery safety elements<br>and fire risk, and utilities<br>safety (Document<br>Reference 6.4.2.5) | Engagement with utilities companies to identify<br>utilities and agree safe methods of working<br>around existing utilities.<br>Offsets around major utilities to avoid impacts,<br>including 20m zones above major gas pipelines<br>where no solar farm infrastructure is placed.<br>No construction plant or infrastructure to<br>come within 5.3m of high-voltage cables.   | Avoiding the possibility of a utility strike.   | Embedded  | Construction  | Regular review of<br>delivery of CEMP,<br>contractor to determine<br>frequency.                                     | Implementation of CEMP,<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 4).                                    |
| GEN25 | Overarching<br>measure / Battery<br>safety  | ES Appendix 2.5 Major<br>Accidents and Disasters –<br>Battery safety elements<br>and fire risk, and utilities<br>safety (Document<br>Reference 6.4.2.5) | Mitigation via preventative measures: battery<br>management plus battery temperature and<br>offgassing monitoring to keep BESS system in<br>safe operating region.<br>Clean agent suppression system to limit risk of<br>any initial fire developing into conflagration.<br>Deflagration panels to direct explosion/flames<br>upwards in the event of an uncontrolled<br>conflagration and fire protocol guidance for<br>emergency services. | Managing the health and<br>safety impacts on an<br>uncontrolled battery fire.                     | Embedded  | Operation     | Regular review of<br>delivery of Battery Fire<br>Safety Management Plan,<br>contractor to determine<br>frequency.   | Implementation of Battery Fire<br>Safety Management Plan,<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 11). |
| GEN26 | Overarching<br>measure /<br>Archaeology     | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)   | Implementation of Archaeological Management<br>Strategy  | Management of archaeological remains.   | Embedded  | Construction  | Regular review of<br>delivery of<br>Archaeological<br>Management Strategy,<br>contractor to determine<br>frequency. | Implementation of<br>Archaeological Management<br>Strategy, to inform the<br>production of the WSI (DCO<br>Requirement 18).                                      |
| GEN27 | Overarching<br>measure / Glint and<br>glare | ES Appendix 2.2 Solar<br>Photovoltaic Glint and<br>Glare Study (Document<br>Reference 6.4.2.2)  | The height of proposed hedgerow/tree planting<br>along panel boundaries should be managed (in<br>line with maintenance regime outlined in the<br>LEMP) so that relevant reflecting areas are<br>obscured from view. The critical screening<br>locations are presented in ES Appendix 2.2<br>Solar Photovoltaic Glint and Glare Study<br>(Document Reference 6.4.2.2).  | Glint and glare reflection<br>from PV panels are obscured<br>from view of sensitive<br>receptors. | Embedded  | Operation     | Maintenance of<br>hedgerow/tree planting<br>in line with maintenance<br>regime outlined in the<br>LEMP.             | Implementation of LEMP,<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 12).                                   |

| Ref.  | Торіс                                       | Environmental action<br>/ commitment source<br>ref.  | Environmental action/commitment   | Environmental action /<br>commitment objective   | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage                       | Monitoring<br>requirements  | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements            |
|-------|---|--|---|--|---|-------------------------------------|---|---|
| GEN28 | Overarching<br>measure / Tree<br>protection | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) / ES Appendix 7.5<br>(Document Reference<br>6.4.7.5) | Implementation of Arboricultural Impact<br>Assessment   | Sets out the protection<br>measures to be<br>implemented during the<br>construction phase, including<br>activity supervision by a<br>suitably qualified<br>arboriculturist where<br>appropriate. | Embedded  | Construction                        | Regular review,<br>contractor to determine<br>frequency in delivery of<br>measures from<br>Arboricultural Impact<br>Assessment. | Implementation of<br>Arboricultural Impact<br>Assessment, including meeting<br>any targets and reporting<br>requirements within this<br>(DCO Requirement 4).  |
| CC1   | Climate change                              | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)  | Increasing recyclability by segregating<br>construction waste to be re-used and recycled<br>where reasonably practicable.   | Construction waste is<br>appropriately segregated,<br>and re-used and recycled.  | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.  | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| CC2   | Climate change                              | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)  | Adopting the Considerate Constructors<br>Scheme (CCS) to assist in reducing pollution,<br>including greenhouse gas emissions (GHGs),<br>from the Proposed Development by employing<br>good industry practice measures.  | Reducing pollution, including<br>greenhouse gas emissions by<br>employing good industry<br>practice measures.  | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.  | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| CC3   | Climate change                              | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)  | Designing, constructing, implementing and<br>decommissioning the Proposed Development in<br>such a way as to minimise the creation of waste<br>and maximise the use of alternative materials<br>with lower embodied carbon, such as locally<br>sourced products and materials with a higher<br>recycled content where feasible. | Minimise the creation of<br>waste and maximise the use<br>of alternative materials with<br>lower embodied carbon.  | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.  | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| CC4   | Climate change                              | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)  | Reusing suitable infrastructure and resources<br>already available in the Order Limits where<br>possible to minimise the use of natural<br>resources and unnecessary materials (e.g.<br>reusing excavated soil for fill requirements or<br>storing, preserving and restoring top soil).   | Minimise the use of natural resources and unnecessary materials.   | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.  | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| CC5   | Climate change                              | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)  | Encouraging the use of lower carbon modes of<br>transport by identifying and communicating<br>local bus connections and pedestrian and cycle<br>access routes to/ from the Proposed<br>Development to all construction and<br>decommissioning staff, and providing<br>appropriate facilities for the safe storage of<br>cycles. | Reducing greenhouse gas<br>emissions.  | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.  | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| CC6   | Climate change                              | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)  | Liaising with construction and decommissioning<br>personnel for the potential to implement staff<br>minibuses and car sharing options.  | Reducing greenhouse gas<br>emissions.  | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.  | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this. |

| Ref. | Торіс          | Environmental action<br>/ commitment source<br>ref.                       | Environmental action/commitment  | Environmental action /<br>commitment objective   | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage                       | Monitoring<br>requirements  | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements              |
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| CC7  | Climate change | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Implementing a Travel Plan to reduce the<br>volume of construction and decommissioning<br>staff and employee trips to the Proposed<br>Development.   | Reduce the volume of<br>construction staff and<br>employee trips to the<br>Proposed Development. | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.                          | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this.   |
| CC8  | Climate change | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Switching vehicles and plant off when not in use<br>and ensuring construction and decommissioning<br>vehicles conform to current European Union<br>(EU) emissions standards.   | Reducing greenhouse gas<br>emissions.  | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.                          | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this.   |
| CC9  | Climate change | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Conducting regular planned maintenance of the construction and decommissioning plant and machinery to optimise efficiency.   | Optimise efficiency of plant<br>and machinery used.  | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.                          | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this.   |
| CC10 | Climate change | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Using equipment's cooling systems where<br>necessary/adapting working practices and<br>equipment used based on current weather<br>conditions.  | Ensuring climate change<br>resilience of equipment<br>used.                                      | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.                          | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this.   |
| CC11 | Climate change | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Protecting workers and resources from extreme weather conditions.  | Ensuring safety of workers,<br>and materials are protected<br>during extreme weather.            | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.                          | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this.   |
| CC12 | Climate change | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Monitoring weather forecasts and the news for<br>Environment Agency flood warnings, relevant<br>weather warnings, and water levels of the local<br>waterways.  | Appropriate planning and<br>preparation for extreme<br>weather and/or flood events.              | Embedded  | Construction and decommissioning    | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.                          | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this.   |
| CC13 | Climate change | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | BESS systems would include heating, ventilation<br>and cooling (HVAC) systems and these would<br>be contained within the individual equipment<br>containers. These measures have been outlined<br>in ES Appendix 2.12 Outline Health and Safety<br>Plan including Battery and Fire Safety<br>Management (Document Reference 6.4.2.12). | BESS system is resilient to<br>climatic variations / extreme<br>weather.                         | Embedded  | Operation                           | Regular review of<br>delivery of Battery Fire<br>Safety Management Plan,<br>contractor to determine<br>frequency. | Implementation of Battery Fire<br>Safety Management Plan,<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 11) |
| CC14 | Climate change | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Where possible, all infrastructure with<br>potential to increase flood risk is located<br>outside of Flood Zones, and there are no   | Avoid flooding of key<br>infrastructure, and avoid<br>increasing flood risk.                     | Embedded  | Design, construction and operation  | Contractor to regularly<br>review and oversee<br>works.   | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach   |

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|      |                |   | permanent buildings within the Proposed Development.   |  |   |                                    |   | Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)  |
| CC15 | Climate change | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | There will be an 8m easement around all<br>mapped watercourses that cross the Proposed<br>Development.   | Avoid interaction with<br>watercourses to avoid<br>environmental impact<br>including altered flow paths<br>and flood risk. | Embedded  | Design, construction and operation | Contractor to regularly<br>review and oversee<br>works.   | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)   |
| BD1  | Biodiversity   | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Design iterations have sought to avoid some<br>areas where nesting lapwing and curlew were<br>recorded and areas where geese and other<br>wildfowl were recorded in the winter   | Avoid areas where nesting<br>lapwing, curlew, geese and<br>other wildfowl are recorded.                                    | Embedded  | Design and construction            | Proposed Development<br>is constructed as per<br>specification, contractor<br>to regularly review and<br>oversee works. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) and as outlined<br>on Environmental Masterplans<br>(Document Reference 2.5)<br>(DCO Requirement 3) |
| BD2  | Biodiversity   | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Eight land parcels currently used for intensive<br>agriculture across the Order Limits to be used<br>for biodiversity enhancement with two large<br>fields in Panel Area F: North of Bishopton, also<br>to remain free of solar PV modules. These<br>areas will provide enhanced foraging<br>opportunities for birds and bats.   | Continued availability of<br>habitat for ground nesting<br>birds and bats.   | Embedded  | Design and construction            | Proposed Development<br>is constructed as per<br>specification, contractor<br>to regularly review and<br>oversee works. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) and as outlined<br>on Environmental Masterplans<br>(Document Reference 2.5)<br>(DCO Requirement 3) |
| BD3  | Biodiversity   | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Revised layout enabling the retention of<br>woodland and the majority of hedgerows and<br>associated trees.  | Retention of woodland and<br>the majority of hedgerows<br>and associated trees.  | Embedded  | Design and construction            | Proposed Development<br>is constructed as per<br>specification, contractor<br>to regularly review and<br>oversee works. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) and as outlined<br>on Environmental Masterplans<br>(Document Reference 2.5)<br>(DCO Requirement 3) |
| BD4  | Biodiversity   | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | All boundary features and other features such<br>as larger hedgerows with trees and woodland<br>edge that are of value to foraging bats will be<br>retained, with it predicated that only small<br>sections of poor-quality hedgerow will be<br>removed to accommodate the grid connection<br>cables and access routes. Where possible and<br>practical, construction access and cabling will<br>use existing field entrances and horizontal | Continued availability of foraging habitat for bats.   | Embedded  | Design and construction            | Proposed Development<br>is constructed as per<br>specification, contractor<br>to regularly review and<br>oversee works. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) and as outlined<br>on Environmental Masterplans<br>(Document Reference 2.5)<br>(DCO Requirement 3) |

| Ref. | Торіс        | Environmental action<br>/ commitment source<br>ref.                       | Environmental action/commitment  | Environmental action /<br>commitment objective                     | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage                                | Monitoring<br>requirements  | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting  |
|------|--------------|---|--|--|---|--|---|---|
| BD5  | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | directional drilling (HDD) will install the cables<br>under hedgerows.<br>Maintenance of 10 m buffers between Solar PV<br>modules and riparian boundaries and<br>watercourses  | Avoid impacts upon riparian<br>habitats and species.               | Embedded  | Design, construction and operation           | Proposed Development<br>is constructed as per<br>specification, contractor<br>to regularly review and<br>oversee works.   | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)  |
| BD6  | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Maintenance of 8m buffers (3m from<br>hedgerows to security fencing and 5m from<br>security fencing to Solar Cells) between Solar<br>PV modules and hedges to retain foraging and<br>commuting corridors for bats.   | Continued availability of foraging and commuting habitat for bats. | Embedded  | Design, construction and operation           | Proposed Development<br>is constructed as per<br>specification, contractor<br>to regularly review and<br>oversee works.   | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)  |
| BD7  | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Maintenance of appropriate buffers between<br>Solar PV modules and trees with potential bat<br>roost trees with potential roost features (PRF),<br>which will be protected during development, in<br>line with British Standard BS 5837: Trees in<br>relation to design, demolition and construction by<br>establishing a Construction Exclusion Zone<br>(CEZ) around their Root Protection Areas<br>(RPA).  | Protect features with bat<br>roost potential.                      | Embedded  | Design / Construction and<br>Decommissioning | Proposed Development<br>is constructed as per<br>specification, contractor<br>to regularly review and<br>oversee works.<br>Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)<br>Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this.<br>Details of buffers for trees can<br>be found in Appendix 7.5<br>Arboricultural Impact<br>Assessment (Document<br>Reference 6.4.7.5) |
| BD8  | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | The majority of the terrestrial habitat for GCN<br>within the Proposed Development was<br>considered either suboptimal or unsuitable with<br>the majority of suitable habitat to be retained,<br>with no ponds to be removed. As there<br>remains a possibility that GCN might be<br>present in low numbers or might enter the<br>construction area, an application for a Natural<br>England District Level Licence for GCN will be<br>made. The terms of this licence will include an<br>appropriate payment to be determined by<br>Natural England to further the enhancement of<br>GCN in the region. | Protection of habitat<br>suitable for GCN.                         | Embedded  | Construction                                 | Ecological Clerk of<br>Works (ECoW)<br>monitors<br>implementation of<br>Natural England District<br>Level Licence for GCN.<br>Regular review of<br>delivery of LEMP,<br>contractor to determine<br>frequency.       | Application for a Natural<br>England District Level Licence<br>for GCN will be made and is<br>granted and implemented<br>accordingly.<br>Implementation of LEMP<br>(DCO Requirement 12)   |

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| BD9  | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)   | Perimeter security fencing will be implemented<br>early in the construction phase. The fence<br>design will be around individual Panel Areas, to<br>allow the movement of large mammals such as<br>deer through the landscape along retained<br>hedgerow margins.   | Allow the movement of<br>large mammals such as deer<br>through the landscape along<br>retained hedgerow margins<br>during construction.        | Embedded  | Construction                        | Proposed Development<br>is constructed as per<br>specification, contractor<br>to regularly review and<br>oversee works.<br>Regular review of<br>delivery of CEMP,<br>contractor to determine<br>frequency.  | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)<br>Implementation of CEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 4)   |
| BD10 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)   | Perimeter security fencing to include badger<br>access points placed in the fencing in strategic<br>locations to allow badgers and other small<br>mammals, such as hares access into Panel<br>Areas. The number of badger access points will<br>be determined after preconstruction surveys. A<br>suitable qualified ecologist knowledgeable in<br>badger ecology will determine the number and<br>location of badger access points within the<br>security fencing. These badger access points<br>should be in place the same day the fencing is<br>installed | Allow the movement of<br>small mammals such as<br>badger into the Panel Areas<br>during construction.  | Embedded  | Construction                        | Proposed Development<br>is constructed as per<br>specification, contractor<br>to regularly review and<br>oversee works.<br>Regular review of<br>delivery of CEMP,<br>contractor to determine<br>frequency.  | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)<br>Implementation of CEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 4)   |
| BD11 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)<br>ES Appendix 6.6<br>Biodiversity Net Gain<br>Report (Document<br>Reference 6.4.6.6) | The Proposed Development is anticipated to<br>provide a biodiversity net gain of 88% for<br>habitat units and 108% of hedgerow habitats, in<br>line with the detailed design.   | Deliver biodiversity net gain<br>in line with the detailed<br>design.  | Embedded  | Design, construction, and operation | Proposed Development<br>is designed, constructed<br>and operated as per<br>specification, contractor<br>to regularly review and<br>oversee works.<br>Ongoing habitat<br>management and<br>maintenance as outlined<br>in the LEMP, and to be<br>further formalised by the<br>contractor. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) and as outlined<br>on Environmental Masterplans<br>(Document Reference 2.5)<br>(DCO Requirement 3)<br>Implementation of LEMP<br>(DCO Requirement 12) to<br>support the delivery of an<br>overall biodiversity net gain. |
| BD12 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)   | Lighting will be limited to the construction<br>period with occasional lighting required for<br>maintenance works during operation, which will<br>not be a permanent fixture. Lighting will<br>conform to best practice guidelines with<br>respect to minimising light spill into adjacent<br>habitats and prevent disturbance to bats and<br>other species during construction and<br>operation. Lighting will be minimised to that<br>required for safe site operations. Where  | Minimising light spill into<br>adjacent habitats and<br>prevent disturbance to bats<br>and other species during<br>construction and operation. | Embedded  | Construction and operation          | Regular review of<br>delivery of CEMP, and<br>LEMP, contractor to<br>determine frequency.   | Implementation of CEMP<br>(DCO Requirement 4) and<br>LEMP (DCO Requirement 12)<br>including meeting any targets<br>and reporting requirements<br>within this.   |

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|      |              |   | lighting is required, it will be directed toward<br>the middle of the working area and will utilise<br>directional fittings to minimise outward light<br>spill and glare, preferably at an angle greater<br>than 20 degrees from the horizontal).   |   |   |                                     |   |   |
| BD13 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Pre-construction and pre-decommissioning<br>surveys will be undertaken to provide an<br>update on the presence and location of any<br>invasive species. An Invasive non-native plant<br>species (INNS) method statement should be<br>created, detailing measures to minimise the risk<br>of spreading Himalayan balsam along Bishopton<br>Beck.   | Minimise the risk of<br>spreading Himalayan balsam<br>along Bishopton Beck.   | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency,<br>this will include regular<br>review of delivery of<br>INNS method<br>statement. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>to ensure INNS method<br>statement is developed and<br>implemented.  |
| BD14 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | An Ecological Clerk of Works (ECoW) to be<br>appointed to help oversee construction and<br>decommissioning from an ecology perspective.   | Advise on protecting valued<br>biodiversity features and<br>provide practical, site-<br>specific and proportionate<br>advice on how to achieve<br>compliance with<br>environmental legislation. | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.  | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>to ensure a project ecologist<br>(Ecological Clerk of Works) is<br>appointed.                                      |
| BD15 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | An ecologist or ECoW will complete a pre-<br>construction and pre-decommissioning survey<br>in advance of works. The walkover will be<br>completed sufficiently in advance of the works<br>to allow for the completion of any additional<br>seasonal surveys (e.g., surveys in support of<br>protected species licences).   | To reconfirm the ecological<br>baseline conditions to<br>identify any new ecological<br>risk.   | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.  | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>to ensure a pre-construction<br>and pre-decommissioning<br>survey is completed by an<br>Ecological Clerk of Works. |
| BD16 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | A Species Protection Plan (SPP) is to be to be<br>implemented during the construction and<br>decommissioning phases of the Proposed<br>Development.   | Assist site personnel in the<br>protection of species during<br>construction and<br>decommissioning.  | Embedded  | Construction and decommissioning    | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency,<br>this will include regular<br>review of delivery of<br>SPP.                      | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>to ensure a SPP is developed<br>and implemented.   |
| BD17 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Clearance of vegetation of potential value to<br>nesting birds (i.e. to facilitate access) will be<br>completed outside of the bird-breeding season<br>(considered to be between mid-February and<br>August inclusive). However, should it not be<br>possible to avoid this season, vegetation will be<br>inspected/surveyed by the ECoW immediately<br>before clearance (i.e., within 24 hours of<br>clearance works). An active nest will be given<br>an appropriate disturbance buffer for that<br>species with work only allowed to take place<br>within this buffer once the project ecologist has | Avoid impacts on breeding<br>birds.   | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.  | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this.                                       |

| Ref. | Торіс        | Environmental action<br>/ commitment source<br>ref.                       | Environmental action/commitment   | Environmental action /<br>commitment objective                 | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage                       | Monitoring<br>requirements   | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements            |
|------|--------------|---|---|--|---|-------------------------------------|--|---|
|      |              |   | confirmed any young have fully fledged and left the nest.   |  |   |                                     |  |   |
| BD18 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Any tree to be felled will be subject to a pre-<br>construction check to determine its current bat<br>roost potential and if found to have potential to<br>support roosting bats will be subject to suitable<br>surveys, as described in good practice survey<br>guidelines.  | Avoid impact on bat roosts.                                    | Embedded  | Construction                        | Regular review of<br>delivery of CEMP,<br>contractor to determine<br>frequency.          | Implementation of CEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 4)                                   |
| BD19 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Where possible, hedgerows, tree lines, ditches<br>and trees including the tree RPA are to be<br>protected during construction and<br>decommissioning through the use of suitable<br>buffers and fencing. For further information on<br>tree buffers, see ES Appendix 7.5<br>Arboricultural Impact Assessment (Document<br>reference 6.4.7.5).   | Prevent impact on the RPA of trees and hedgerows.              | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| BD20 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Should ground clearance of habitat suitable for<br>reptiles/amphibians be required then this<br>should be undertake at the right time of year to<br>avoid the hibernation period - i.e. avoid the<br>period: October to March. The ECoW would<br>supervise works and relocate any<br>reptiles/amphibians found.   | Avoid impact on potential<br>reptile and amphibian<br>habitat. | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| BD21 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | If clearance of reptile hibernacula features is<br>necessary, then this would be done in the<br>summer months to avoid disturbing hibernating<br>reptiles (April to September).   | Avoid impact on reptiles.                                      | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| BD22 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | For mobile species such as badger, pre-<br>construction and pre-decommissioning surveys<br>will be required to check the status of the setts<br>identified and to locate any new active setts<br>that would need to be protected.   | Avoid impact upon mobile species, such as badger.              | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| BD23 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Badger setts are to be protected from direct<br>impacts by maintaining a suitable standoff<br>distance measured from professional judgement<br>from existing setts and micrositing equipment if<br>required. Furthermore, any exposed trenches<br>or holes are to be covered up when<br>contractors are off site (i.e. at night time) or a<br>slope provided to allow any trapped badgers a<br>safe exit. | Avoid impact upon badger<br>setts.                             | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this. |

|      |              |   |   |   |                            |                                     |  | How the environmental   |
|------|--------------|---|---|---|----------------------------|-------------------------------------|--|---|
| Ref. | Торіс        | Environmental action<br>/ commitment source                               | Environmental action/commitment   | Environmental action /  | mitigation                 | Project stage                       | Monitoring   | be implemented/ secured,  |
|      |              | ref.  |   | commitment objective  | (Embedded<br>or Essential) |                                     | requirements   | criteria or reporting   |
|      |              |   |   |   |                            |                                     |  | requirements  |
| BD24 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | All works in proximity to<br>waterbodies/watercourses should follow<br>standard protection measures to ensure their<br>complete protection against pollution, silting<br>and erosion.   | Avoid impact upon<br>waterbodies / watercourses<br>from pollution, silting and<br>erosion.                        | Embedded                   | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.   | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| BD24 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | It is anticipated that the majority of works will<br>take place 10m away from<br>watercourses/waterbodies. A small number of<br>small tributaries will be crossed by the<br>proposed cable route corridor. At these<br>watercourse crossings HDD will be used.  | Avoid impact upon<br>waterbodies / watercourses,<br>and potential knock on<br>impacts to water vole and<br>otter. | Embedded                   | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.   | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| BD25 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | No nighttime work is to take place within 30 m<br>of watercourses / waterbodies (the period<br>when otters are most active).  | Avoid impact on otters.   | Embedded                   | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.   | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this. |
| BD26 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | The loss of ground nesting bird breeding and<br>foraging habitat is to be mitigated through the<br>provision of eight land parcels currently used<br>for intensive agriculture to be used for<br>biodiversity enhancement, with no Solar PV<br>modules proposed within these areas. The two<br>large fields to the north of Bishopton will be<br>maintained with low maintenance grass rich<br>sward ensuring continued availability of open<br>ground for ground nesting birds such as curlew<br>and lapwing.  | Mitigate for the loss of<br>ground nesting bird breeding<br>and foraging habitat.                                 | Embedded                   | Operation                           | Ongoing habitat<br>management and<br>maintenance as outlined<br>in the LEMP, and to be<br>further formalised by the<br>contractor. | Implementation of LEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 12)                                  |
| BD27 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Eight land parcels currently used for intensive<br>agriculture across the Order Limits to be used<br>for biodiversity enhancement with two large<br>fields in Panel Area F: North of Bishopton, also<br>to remain free of solar PV modules. These<br>areas will provide enhanced foraging<br>opportunities across the Order Limits for bat<br>species and mitigate the potential avoidance of<br>Panel Areas. The establishment of a network of<br>new and improved native-species-rich<br>hedgerows with hedgerow trees will also create<br>additional and enhanced commuting, foraging,<br>and roosting habitat for bats. | Mitigate the potential<br>avoidance of Panel Areas by<br>bat species.   | Embedded                   | Operation                           | Ongoing habitat<br>management and<br>maintenance as outlined<br>in the LEMP, and to be<br>further formalised by the<br>contractor. | Implementation of LEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 12)                                  |

| Ref. | Торіс        | Environmental action<br>/ commitment source<br>ref.                       | Environmental action/commitment  | Environmental action /<br>commitment objective   | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage | Monitoring<br>requirements   | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements |
|------|--------------|---|--|--|---|---------------|--|--|
| BD28 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | The two large fields to the north of Bishopton<br>will be maintained with low maintenance grass<br>rich sward ensuring continued availability of<br>open ground for ground nesting birds such as<br>curlew and lapwing . To be managed with no<br>grazing during the nesting season (April to<br>August) with a late summer hay cut (late<br>August to September) after young birds have<br>fledged followed by grazing if required.   | Mitigate for impact upon ground nesting curlew.  | Embedded  | Operation     | Ongoing habitat<br>management and<br>maintenance as outlined<br>in the LEMP, and to be<br>further formalised by the<br>contractor. | Implementation of LEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 12)                       |
| BD29 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Regular checks of fencing will occur to ensure<br>no deer or other large mammals have become<br>trapped and badger access points will be<br>checked to ensure they remain operational.   | Ensure no deer or other<br>large mammals have become<br>trapped in fencing and<br>through access remains<br>operational. | Embedded  | Operation     | Ongoing habitat<br>management and<br>maintenance as outlined<br>in the LEMP, and to be<br>further formalised by the<br>contractor. | Implementation of LEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 12)                       |
| BD30 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | The establishment of a network of new and<br>improved native-species-rich hedgerows with<br>hedgerow trees to increase biodiversity across<br>the Order Limits. Existing hedgerows will be<br>enhanced with planting along defunct<br>hedgerows where landscape concerns suggest it<br>is effective mitigation. Only native species will<br>be planted along these hedgerows.  | Delivery of biodiversity net gain.   | Embedded  | Operation     | Ongoing habitat<br>management and<br>maintenance as outlined<br>in the LEMP, and to be<br>further formalised by the<br>contractor. | Implementation of LEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 12)                       |
| BD31 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Reduced cutting (flailing) along existing<br>hedgerows to benefit nesting birds and<br>invertebrates.  | Delivery of biodiversity net gain.   | Embedded  | Operation     | Ongoing habitat<br>management and<br>maintenance as outlined<br>in the LEMP, and to be<br>further formalised by the<br>contractor. | Implementation of LEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 12)                       |
| BD32 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Field margins between the boundary hedgerows<br>and the security fencing will be enhanced in line<br>with three options and managed accordingly:<br>provision of winter wild bird food (sowing with<br>specific wild bird winter food), provision of<br>rough grass margins (sowing with tussock<br>forming grass species), and provision of flower<br>rich margins (sowing with a wildflower seed). It<br>is anticipated that a third of the total length of<br>margins will be given over to each treatment. | Delivery of biodiversity net<br>gain.  | Embedded  | Operation     | Ongoing habitat<br>management and<br>maintenance as outlined<br>in the LEMP, and to be<br>further formalised by the<br>contractor. | Implementation of LEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 12)                       |
| BD33 | Biodiversity | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Area underneath panels to be sown with a low<br>maintenance grassland while between panels<br>and to margins they will be sown with legume<br>rich herbal ley/wildflora mixes, this aims to<br>improve soil health and insect diversity such as<br>pollinators to improved foraging habitat for  | Delivery of biodiversity net gain.   | Embedded  | Operation     | Ongoing habitat<br>management and<br>maintenance as outlined<br>in the LEMP, and to be<br>further formalised by the<br>contractor. | Implementation of LEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 12)                       |

| Ref.  | Торіс                   | Environmental action<br>/ commitment source<br>ref.                       | Environmental action/commitment  | Environmental action /<br>commitment objective   | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage        | Monitoring<br>requirements   | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements                                  |
|-------|-------------------------|---|--|--|---|----------------------|--|---|
|       |                         |   | species such as birds and bats. To be managed<br>accordingly with either a light cutting or grazing<br>regime in late autumn (August onwards) to<br>maintain the vegetation.   |  |   |                      |  |   |
| BD434 | Biodiversity            | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Provision of boxes to increase the opportunities for roosting bats and nesting birds such as barn owl (Tyto alba).   | Delivery of biodiversity net gain.   | Embedded  | Operation            | Ongoing habitat<br>management and<br>maintenance as outlined<br>in the LEMP, and to be<br>further formalised by the<br>contractor. | Implementation of LEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 12)  |
| BD35  | Biodiversity            | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Hedgerow creation and enhancement with a forecast length of approximately 12km and 29km, respectively.   | Delivery of biodiversity net gain.   | Embedded  | Operation            | Ongoing habitat<br>management and<br>maintenance as outlined<br>in the LEMP, and to be<br>further formalised by the<br>contractor. | Implementation of LEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 12)  |
| LV1   | Landscape and<br>visual | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Limiting the height of the solar PV modules to 3.5m in height.   | Limiting the visual impact of the solar PV modules.                                    | Embedded  | Design and operation | Proposed Development<br>is designed and operated<br>as per requirement,<br>contractor to regularly<br>review and oversee<br>works. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)  |
| LV2   | Landscape and<br>visual | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Excluding solar PV modules from areas close to<br>homes to mitigate potential effects on<br>residential visual amenity and from some parts<br>of the Panel Areas in order to mitigate effects<br>on the views from and character of Brafferton,<br>Bishopton and Great Stainton. | Limiting the landscape and visual impact of the solar PV modules.                      | Embedded  | Design and operation | Proposed Development<br>is designed and operated<br>as per requirement,<br>contractor to regularly<br>review and oversee<br>works. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3). |
| LV3   | Landscape and<br>visual | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Proposed perimeter fencing would be a deer<br>fence, with a maximum height of 2m in order<br>to present an appearance that is appropriate to<br>the rural context.   | Limiting the landscape and<br>visual impact of fencing of<br>the Proposed Development. | Embedded  | Design and operation | Proposed Development<br>is designed and operated<br>as per requirement,<br>contractor to regularly<br>review and oversee<br>works. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3). |
| LV4   | Landscape and<br>visual | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | CCTV columns would be placed between the<br>fencing and the solar PV modules, and oriented<br>to look along the gap rather than beyond the<br>Panel Areas. These CCTV columns would be<br>no more than 3m in height.   | Limiting the visual intrusion<br>of CCTV of the Proposed<br>Development.               | Embedded  | Design and operation | Proposed Development<br>is designed and operated<br>as per requirement,<br>contractor to regularly<br>review and oversee<br>works. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3). |
| LV5   | Landscape and visual    | ES Chapter 2 The<br>Proposed Development                                  | Access tracks and cable routes would be<br>located to pass through existing gates and gaps   | Avoid the need for removal of trees of hedges.   | Embedded  | Design and operation | Proposed Development<br>is designed and operated<br>as per requirement,  | Implementation of detailed<br>design in accordance with the<br>design principles outlined in  |

| Ref. | Торіс                   | Environmental action<br>/ commitment source<br>ref.                       | Environmental action/commitment  | Environmental action /<br>commitment objective   | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage                       | Monitoring<br>requirements   | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements  |
|------|-------------------------|---|--|--|---|-------------------------------------|--|---|
|      |                         | (Document Reference<br>6.2.2)   | in hedgerows where feasible, to avoid the need for removal of trees of hedges.   |  |   |                                     | contractor to regularly<br>review and oversee<br>works.  | the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3).   |
| LV6  | Landscape and<br>visual | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Inverters and batteries would be approximately<br>3m in height and would be finished in grey;<br>these would be located amongst the solar PV<br>modules throughout the Panel Areas   | Limiting the visual impact of<br>inverters and batteries of<br>the Proposed Development. | Embedded  | Design and operation                | Proposed Development<br>is designed and operated<br>as per requirement,<br>contractor to regularly<br>review and oversee<br>works. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)  |
| LV7  | Landscape and<br>visual | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | The substation would be no more than 8m in<br>height (highest electrical equipment) with the<br>exception of the communications mast which<br>would be up to 15m. It would be screened by<br>Square Wood and proposed planting as shown<br>in Environmental Masterplan (Document<br>Reference 2.5).                                | Limiting the visual impact of the substation.  | Embedded  | Design and operation                | Proposed Development<br>is designed and operated<br>as per requirement,<br>contractor to regularly<br>review and oversee<br>works. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) and as outlined<br>on Environmental Masterplans<br>(Document Reference 2.5)<br>(DCO Requirement 3). |
| LV8  | Landscape and<br>visual | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Components of the Proposed Development<br>required for the operation of the Proposed<br>Development would be removed during<br>decommissioning. Any requirements to leave<br>certain infrastructure, for example the access<br>tracks, would be discussed and agreed with<br>landowners as part of the decommissioning<br>process. | Returning the landscape to its pre-construction state.                                   | Embedded  | Decommissioning                     | Proposed Development<br>is decommissioned as<br>per requirement,<br>contractor to regularly<br>review and oversee<br>works.        | Implementation of DEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 5)   |
| LV9  | Landscape and<br>visual | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | A pre-commencement survey of vegetation<br>prior to construction and decommissioning<br>should be undertaken to establish the extent to<br>which any vegetation removal may be needed<br>and identify required protection zones.   | Protection of existing<br>vegetation that should be<br>retained.                         | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.   | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this  |
| LV10 | Landscape and<br>visual | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Protect and retain existing trees and vegetation<br>via construction and decommissioning exclusion<br>zones and tree protective fencing.   | Protection of existing<br>vegetation that should be<br>retained.                         | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.   | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this  |
| LV11 | Landscape and<br>visual | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Temporary site lighting during construction and<br>decommissioning required to enable safe<br>working during hours of darkness will be<br>designed as far as reasonably practical so as not<br>to cause a nuisance outside of the Proposed<br>Development. Standard best practice measures   | Limiting the visual intrusion caused by construction.                                    | Embedded  | Construction and<br>Decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.   | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this  |

| Ref. | Торіс                                | Environmental action<br>/ commitment source<br>ref.                       | Environmental action/commitment   | Environmental action /<br>commitment objective   | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage           | Monitoring<br>requirements   | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements  |
|------|--------------------------------------|---|---|--|---|-------------------------|--|---|
|      |                                      |   | will be employed to minimise light spill, including glare.  |  |   |                         |  |   |
| LV14 | Landscape and visual                 | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Permissive rights of way and planting/vegetation<br>within the Panel Areas would revert to the<br>management of the landowner.  | Reverting land to original<br>use  | Embedded  | Decommissioning         | Regular review of<br>delivery of DEMP,<br>contractor to determine<br>frequency.  | Implementation of DEMP<br>(DCO Requirement 5),<br>including meeting any targets<br>and reporting requirements<br>within this  |
| CH1  | Cultural heritage<br>and archaeology | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Alteration of the design of the Proposed<br>Development (i.e. use of above ground<br>foundations where areas of significant<br>archaeology have been identified during the<br>Phase 1 evaluation trenching) to avoid impacts<br>upon potential archaeological remains and<br>setting of heritage assets. This methodology will<br>also be applied in any areas identified during the<br>Phase 2 evaluation trenching where significant<br>archaeology is encountered. A continued<br>flexible design process will be applied to the<br>detailed design for the Proposed Development.<br>This response is required in response to the<br>nature of archaeological remains and the<br>possibility for either known or unknown<br>remains to be of sufficient heritage significance<br>to warrant preservation in situ | Avoid impacts upon<br>potential archaeological<br>remains and setting of<br>heritage assets. | Embedded  | Design and construction | Proposed Development<br>is designed and<br>constructed as per<br>requirements,<br>contractor to regularly<br>review and oversee<br>works.<br>Regular review of<br>delivery of CEMP,<br>contractor to determine<br>frequency. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)<br>Implementation of<br>Archaeological Management<br>Strategy, to inform the<br>production of the WSI (DCO<br>Requirement 18)<br>Implementation of CEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 4) |
| CH2  | Cultural heritage<br>and archaeology | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Implementation of ES Appendix 8.4 Outline<br>Written Scheme of Investigation (WSI).   | Avoid impacts upon<br>potential archaeological<br>remains.                                   | Embedded  | Construction            | Proposed Development<br>is constructed as per<br>requirements of the<br>WSI, contractor to<br>regularly review and<br>oversee works.   | Implementation of<br>Archaeological Management<br>Strategy, to inform the<br>production of the WSI (DCO<br>Requirement 18)  |
| СНЗ  | Cultural heritage<br>and archaeology | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Tree and hedgerow planting will be used across<br>the Order Limits which will significantly reduce<br>ground level visibility of any panels.  | Avoid setting impacts upon<br>heritage assets.   | Embedded  | Design and operation    | Proposed Development<br>is designed and operated<br>as per requirement,<br>contractor to regularly<br>review and oversee<br>works.   | Implementation of LEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 12)<br>Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) and as outlined<br>on Environmental Masterplans<br>(Document Reference 2.5)<br>(DCO Requirement 3)  |
| CH4  | Cultural heritage and archaeology    | ES Chapter 8 Cultural<br>Heritage and                                     | In locations where the embedded mitigation measures have not been applied, i.e. those   | Mitigate impacts upon potential archaeological   | Essential   | Construction            | Proposed Development is designed and operated  | Implementation of<br>Archaeological Management  |

| Ref.  | Торіс                                | Environmental action<br>/ commitment source<br>ref.                                | Environmental action/commitment  | Environmental action /<br>commitment objective   | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage | Monitoring<br>requirements  | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements  |
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|       |                                      | Archaeology (Document<br>Reference 6.2.8)  | areas where the loss of archaeological remains<br>is deemed acceptable, it is proposed to mitigate<br>any potential effects through the<br>implementation of a programme of<br>archaeological works as set out within ES<br>Appendix 8.5 Archaeological Management<br>Strategy (Document Reference 6.4.8.5).   | remains and setting impacts upon heritage assets.  |   |               | as per requirements,<br>contractor to regularly<br>review and oversee<br>works.   | Strategy, to inform the<br>production of the WSI (DCO<br>Requirement 18)  |
| CH5   | Cultural heritage<br>and archaeology | ES Chapter 8 Cultural<br>Heritage and<br>Archaeology (Document<br>Reference 6.2.8) | It is unlikely that any set piece excavations will<br>be undertaken to preserve archaeological<br>remains through record. However, to ensure a<br>robust and proportionate approach can be<br>taken should any remains deemed to be<br>suitable for such an approach be encountered,<br>provision is made within ES Appendix 8.5<br>Archaeological Management Strategy<br>(Document Reference 6.4.8.5) for this<br>eventuality.  | Mitigate impacts upon<br>potential archaeological<br>remains and setting impacts<br>upon heritage assets.  | Essential   | Construction  | Proposed Development<br>is constructed as per<br>requirements,<br>contractor to regularly<br>review and oversee<br>works.   | Implementation of<br>Archaeological Management<br>Strategy, to inform the<br>production of the WSI (DCO<br>Requirement 18)<br>Implementation of CEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 4)   |
| CH6   | Cultural heritage<br>and archaeology | ES Chapter 8 Cultural<br>Heritage and<br>Archaeology (Document<br>Reference 6.2.8) | The Proposed Development offers the<br>opportunity for heritage benefits to the local<br>community of Bishopton through the<br>enhancement of knowledge, understanding and<br>engagement with the First World War airfield<br>which is located within the Order Limits. Links<br>could be made with the contemporary airfield<br>outside Sadberge and to the wider network of<br>airfields used by the 36th Squadron while<br>interpretation boards, public art and providing<br>better access to the airfield location are all<br>potential measures which could be employed.<br>The specific measures should be formulated in<br>consultation with the local community and<br>interested local stakeholders along with<br>representatives from the LPA(s). | Opportunity for heritage<br>benefits to the local<br>community of Bishopton<br>through the enhancement of<br>knowledge, understanding<br>and engagement with the<br>First World War airfield<br>within the Order Limits. | Enhancement   | Operation     | To be formulated in<br>consultation with the<br>local community and<br>interested local<br>stakeholders along with<br>representatives from the<br>LPA(s).   | n/a – enhancement<br>opportunity – potential<br>community benefit fund<br>project. Would allow better<br>local knowledge,<br>understanding and engagement<br>with the First World War<br>airfield within the Order<br>Limits.   |
| LUSE1 | Land use and socioeconomics          | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)          | Proposed addition of permissive trails<br>throughout the Order Limits, enabling a more<br>cohesive PRoW network.   | Facilitating a more cohesive<br>PRoW network.  | Embedded<br>Enhancement<br>opportunity<br>available | Construction  | Proposed Development<br>is constructed as per<br>requirement, contractor<br>to regularly review and<br>oversee works.<br>These permissive routes<br>could be further<br>enhanced where possible<br>through the provision of<br>signage and local<br>management, in<br>agreement with the LPA. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) and as outlined<br>on Environmental Masterplans<br>(Document Reference 2.5)<br>(DCO Requirement 3)<br>Implementation of Public<br>Rights of Way (PRoW)<br>Management Plan (DCO<br>Requirement 14) |

| Ref.  | Торіс                       | Environmental action<br>/ commitment source<br>ref.                          | Environmental action/commitment   | Environmental action /<br>commitment objective  | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage                                | Monitoring<br>requirements   | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements   |
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| LUSE2 | Land use and socioeconomics | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)    | A PRoW Management Plan will be in place to<br>set out how PRoWs would be managed to<br>ensure they remain safe to use, and disruption<br>to users of the PRoW is minimised. This<br>includes managing short-term closures of<br>PRoW during construction and<br>decommissioning with minimal localised<br>diversions where possible, and rerouting of<br>PRoW where permanent diversions are<br>required. | Minimising impact upon the<br>PRoW network.   | Embedded  | Construction, operation, and decommissioning | Proposed Development<br>is constructed and<br>operated as per<br>requirement, contractor<br>to regularly review and<br>oversee works.<br>Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) and as outlined<br>on Environmental Masterplans<br>(Document Reference 2.5)<br>(DCO Requirement 3)<br>Implementation of Public<br>Rights of Way (PRoW)<br>Management Plan (DCO<br>Requirement 14)<br>Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this |
| LUSE3 | Land use and socioeconomics | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)    | Continued access will be provided to recreational and community facilities.   | Continued access to<br>recreational and community<br>facilities will be maintained.                 | Embedded  | Construction and decommissioning             | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.   | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this  |
| LUSE4 | Land use and socioeconomics | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)    | Built structures such as access tracks,<br>substations and compounds that would require<br>soil stripping and disturbance have been<br>directed toward the lower quality land available<br>(that in Subgrade 3b quality), in order to avoid<br>potential compaction or physical contamination<br>of any BMV quality agricultural land.  | Avoid potential compaction<br>or physical contamination of<br>any BMV quality agricultural<br>land. | Embedded  | Design and construction                      | Proposed Development<br>is designed and<br>constructed as per<br>specification, contractor<br>to regularly review and<br>oversee works.  | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)   |
| LUSE5 | Land use and socioeconomics | ES Chapter 9 Land use<br>and socioeconomics<br>(Document Reference<br>6.2.2) | Explore employment and supply chain opportunities throughout the construction period.   | Provision of employment<br>and supply chain<br>opportunities during<br>construction.                | Embedded  | Construction and decommissioning             | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.   | (DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this  |
| LUSE6 | Land use and socioeconomics | ES Chapter 9 Land use<br>and socioeconomics<br>(Document Reference<br>6.2.2) | Temporary closures or diversions of Public<br>Rights of Way or permissive paths to allow for<br>maintenance activities will be subject to<br>agreement with the LPA.  | Minimising impact of any<br>permissive path closures and<br>diversions                              | Enhancement   | Operation                                    | Regular review,<br>contractor to determine<br>frequency in<br>development of PRoW<br>Management Plan.  | Temporary Closure Order<br>Update PRoW Management<br>Plan with any enhancement<br>opportunities (DCO<br>Requirement 14)  |

| Ref.  | Торіс                          | Environmental action<br>/ commitment source<br>ref.                          | Environmental action/commitment  | Environmental action /<br>commitment objective   | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage                                  | Monitoring<br>requirements   | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements          |
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| LUSE7 | Land use and<br>socioeconomics | ES Chapter 9 Land use<br>and socioeconomics<br>(Document Reference<br>6.2.2) | Community Benefit Fund of ~£1.5m across the<br>lifecycle of the Proposed Development. How<br>the Community Benefit Fund will be allocated is<br>subject to agreement, but previous projects<br>delivered by the Applicant have ensured that<br>the funds are spent on things such as accessible<br>footpaths, new native planting, improved<br>highway safety, outdoor play areas, picnic<br>benches, community orchards, rooftop solar<br>for community buildings and funding for other<br>local sustainable initiatives. | Local sustainable initiatives  | Enhancement   | Construction, operation<br>and decommissioning | To be agreed as part of<br>the delivery of the<br>community benefit fund.                | Applicant commitment to a community benefit fund of ~£1.5m - Delivery of local sustainable initiatives through the community benefit fund                   |
| HFR1  | Hydrology and<br>flood risk    | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)    | Sediment control measures (silt fences,<br>settlement/attenuation ponds etc.) would be<br>used in the vicinity of watercourses, springs or<br>drains where natural features (e.g. hollows) do<br>not provide adequate protection.  | Mitigate any potential<br>impacts on the water quality<br>of the sub-catchments<br>through erosion during<br>construction. | Embedded  | Construction and decommissioning               | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this |
| HFR2  | Hydrology and<br>flood risk    | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)    | Trenching or excavation activities in open land<br>would cease during periods of intense rainfall<br>and temporary bunding would be provided as<br>required, to reduce the risk of sediment<br>transport to the natural drainage system.   | Mitigate any potential<br>impacts on the water quality<br>of the sub-catchments<br>through erosion during<br>construction. | Embedded  | Construction and decommissioning               | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this |
| HFR3  | Hydrology and flood risk       | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)    | Permanent relocation or longer-term storage<br>of soils would be re-instated with vegetation as<br>soon as practicable.  | Mitigate any potential<br>impacts on the water quality<br>of the sub-catchments<br>through erosion during<br>construction. | Embedded  | Construction and decommissioning               | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this |
| HFR4  | Hydrology and flood risk       | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)    | The movement of construction and<br>decommissioning traffic would be controlled to<br>minimise soil compaction and disturbance.<br>Vehicle movements (to include HGVs and plant<br>machinery) outside the defined tracks and<br>hardstanding areas would be avoided where<br>possible.   | Mitigate any potential<br>impacts on the water quality<br>of the sub-catchments<br>through erosion during<br>construction. | Embedded  | Construction and decommissioning               | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this |
| HFR5  | Hydrology and<br>flood risk    | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)    | Areas of temporary tracks would be completed<br>as soon as possible and surfaced appropriately<br>to protect soils from runoff. Temporary fences<br>or markers should be used to ensure minimal<br>disturbance of the surrounding land.  | Mitigate any potential<br>impacts on the water quality<br>of the sub-catchments<br>through erosion during<br>construction. | Embedded  | Construction and decommissioning               | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this |
| HFR6  | Hydrology and<br>flood risk    | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)    | Wheel washing would be undertaken in<br>designated areas only and sediment control<br>measures would be used to ensure runoff from<br>these areas would not enter directly into water<br>courses.  | Mitigate any potential<br>impacts on the water quality<br>of the sub-catchments<br>through erosion during<br>construction. | Embedded  | Construction and decommissioning               | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets  |

| Ref.  | Торіс                       | Environmental action<br>/ commitment source<br>ref.                       | Environmental action/commitment   | Environmental action /<br>commitment objective   | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage                    | Monitoring<br>requirements   | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements          |
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|       |                             |   |   |  |   |                                  |  | and reporting requirements  |
| HFR8  | Hydrology and<br>flood risk | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | No construction or decommissioning activities<br>will take place within the watercourse buffer<br>zones.  | Mitigate any potential<br>impacts on the water quality<br>of the sub-catchments<br>through erosion during<br>construction.                 | Embedded  | Construction and decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this |
| HFR9  | Hydrology and<br>flood risk | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Equipment would be provided to contain and<br>clean up any spills to minimise the risk of<br>pollutants entering the watercourses or surface<br>water features.   | Mitigate any potential impact<br>on the water quality of the<br>sub catchments draining the<br>Order Limits through<br>chemical pollution. | Embedded  | Construction and decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this |
| HFR11 | Hydrology and<br>flood risk | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Refuelling of vehicles and plant machinery (if<br>required) would be confined to the designated<br>fuelling areas and would be carefully controlled<br>and placed away from areas with high<br>groundwater dependency and outside<br>watercourse buffers. | Mitigate any potential impact<br>on the water quality of the<br>sub catchments draining the<br>Order Limits through<br>chemical pollution. | Embedded  | Construction and decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this |
| HFR12 | Hydrology and<br>flood risk | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Vehicles, plant machinery and equipment would<br>be cleaned at designated washout areas located<br>conveniently and within a controlled area of the<br>Proposed Development.  | Mitigate any potential impact<br>on the water quality of the<br>sub catchments draining the<br>Order Limits through<br>chemical pollution. | Embedded  | Construction and decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this |
| HFR13 | Hydrology and<br>flood risk | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | All fuel and chemicals would be stored within<br>appropriately specified containers and within<br>specifically designed stores / storage areas and<br>would include appropriate measures to avoid<br>spillages in line with the relevant legislation.     | Mitigate any potential impact<br>on the water quality of the<br>sub catchments draining the<br>Order Limits through<br>chemical pollution. | Embedded  | Construction and decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this |
| HFR14 | Hydrology and<br>flood risk | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Drip trays would be placed under standing machinery.  | Mitigate any potential impact<br>on the water quality of the<br>sub catchments draining the<br>Order Limits through<br>chemical pollution. | Embedded  | Construction and decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this |
| HFR15 | Hydrology and<br>flood risk | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | All solid and liquid waste materials would be<br>properly disposed of in controlled landfill sites<br>away from the site.   | Mitigate any potential impact<br>on the water quality of the<br>sub catchments draining the<br>Order Limits through<br>chemical pollution. | Embedded  | Construction and decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this |
| HFR16 | Hydrology and flood risk    | ES Chapter 2 The<br>Proposed Development                                  | Routine mechanical maintenance of vehicles<br>would be carried out off-site or in a suitable<br>designated area of the Proposed Development.  | Mitigate any potential impact<br>on the water quality of the<br>sub catchments draining the  | Embedded  | Construction and decommissioning | Regular review of delivery of CEMP and   | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)   |

| Ref.  | Торіс                       | Environmental action<br>/ commitment source<br>ref.                       | Environmental action/commitment  | Environmental action /<br>commitment objective   | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage                    | Monitoring<br>requirements   | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements                                 |
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|       |                             | (Document Reference 6.2.2)  |  | Order Limits through chemical pollution.   |   |                                  | DEMP, contractor to determine frequency.   | including meeting any targets<br>and reporting requirements<br>within this   |
| HFR17 | Hydrology and<br>flood risk | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | There would be no unapproved discharge of<br>foul or contaminated drainage from the Order<br>Limits either to groundwater or any surface<br>waters, whether direct or via soakaway.  | Mitigate any potential impact<br>on the water quality of the<br>sub catchments draining the<br>Order Limits through<br>chemical pollution. | Embedded  | Construction and decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency. | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this                        |
| HFR18 | Hydrology and<br>flood risk | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | An 8m buffer zone has been designed around<br>the perimeter of watercourses within the<br>Order Limits for pollution and erosion control.<br>Infrastructure has been offset 2m from the<br>fencing such that it is approximately 10m away<br>from the watercourse. Vegetation that will<br>grow around this perimeter zone will increase<br>infiltration, act to slow down surface water<br>runoff and filter out sediment.  | Pollution and erosion<br>control from the Proposed<br>Development.   | Embedded  | Operation                        | Contractor to regularly<br>review and oversee<br>works.                                  | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3) |
| HFR19 | Hydrology and<br>flood risk | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | Where possible, building in areas at a fluvial<br>flood risk has been avoided and critical<br>infrastructure (including substation and<br>electrical switchgear) has been located outside<br>of flood zones. Where tracks are located within<br>the fluvial flood zone they will remain at grade<br>to ensure there is no loss of flood plain and<br>panels will be raised above the 1 in 1000 year<br>flood depth. No buildings such as the BESS,<br>inverters, transformers, and sub-station have<br>been situated within the fluvial flood zones so<br>there has been no loss of flood storage.                                 | Avoiding impact upon flood<br>risk.  | Embedded  | Operation                        | Contractor to regularly<br>review and oversee<br>works.                                  | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3) |
| HFR20 | Hydrology and<br>flood risk | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | All access tracks will be permeable to allow<br>water to filtrate through and to maintain<br>greenfield runoff rates. The small impermeable<br>areas will have an apron of clean crushed stone<br>to promote natural land drainage conditions in<br>the vicinity of the structures. The apron will be<br>at least 1m wide beyond the structure footprint<br>with a depth of at least 300mm consisting of<br>40-70mm crushed stone. This is common<br>practice for solar farm developments across the<br>UK and deemed an appropriate measure to<br>account for the introduction of a small<br>impermeable area in a rural location | Maintain greenfield runoff<br>rates.   | Embedded  | Design and operation             | Contractor to regularly<br>review and oversee<br>works.                                  | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3) |
| HFR21 | Hydrology and flood risk    | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2) | The proposed solar PV module pile depth will<br>be 1.0m, therefore subsurface infrastructure<br>will not interact with the water table.  | Avoid interaction with the water table.  | Embedded  | Design and operation             | Contractor to regularly review and oversee works.  | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach  |

| Ref.  | Торіс                       | Environmental action<br>/ commitment source<br>ref.                         | Environmental action/commitment   | Environmental action /<br>commitment objective   | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage                    | <b>M</b> onitoring<br>requirements  | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements   |
|-------|-----------------------------|---|---|--|---|----------------------------------|---|--|
|       |                             |   |   |  |   |                                  |   | Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)  |
| HFR21 | Hydrology and<br>flood risk | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)   | The design of new watercourse crossings will<br>be agreed with the Lead Local Flood Authority<br>prior to construction. Guidance on the sizing,<br>design and construction of the crossings will be<br>taken from the CIRIA Culvert Design and<br>Operation Guide. The crossings will be<br>designed to ensure they do not disconnect the<br>watercourses at times of low flow and will be<br>designed with appropriate freeboard for flood<br>flow capacity. They will be designed to ensure<br>fish and mammal movement is not restricted,<br>increased erosion will not occur and have a<br>buried invert so the natural bed formation<br>remains in situ. | Appropriate design of new<br>watercourse crossings in line<br>with best practice guidelines. | Embedded  | Construction                     | Proposed Development<br>is designed as per<br>requirement, contractor<br>to regularly review and<br>oversee works.    | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)   |
| HFR22 | Hydrology and<br>flood risk | ES Chapter 10 Hydrology<br>and Flood risk<br>(Document Reference<br>6.2.10) | Temporary land take areas (construction and<br>decommissioning compound with car parking,<br>temporary storage area, temporary laydown<br>areas, welfare facilities etc.) within the Order<br>Limits will be fully reinstated following<br>construction and decommissioning to reduce<br>areas of semi-impermeable surfaces. Temporary<br>land take areas will be cleared of hardcore, re-<br>graded with soil to a natural profile and re-<br>vegetated.   | Reduce areas of semi-<br>impermeable surfaces.   | Essential   | Construction and decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.                              | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this  |
| HFR23 | Hydrology and<br>flood risk | ES Chapter 10 Hydrology<br>and Flood risk<br>(Document Reference<br>6.2.10) | Runoff and sediment management control<br>measures would be implemented, ES Appendix<br>10.1 FRA and Drainage Strategy (Document<br>Reference 6.4.10.1) describes the design<br>standards and drainage to be adopted onsite.  | Ensuring that off-site water is not compromised.   | Essential   | Construction and decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.                              | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including requirements set out<br>in ES Appendix 10.1 FRA<br>(Document reference 6.4.10.1)<br>and Drainage Strategy<br>(Document Reference<br>6.4.10.1) |
| HFR24 | Hydrology and<br>flood risk | ES Chapter 10 Hydrology<br>and Flood risk<br>(Document Reference<br>6.2.10) | No new proposed access tracks are within<br>100m radius of the location of the identified<br>PWSs. Only solar PV panels are proposed<br>within these zones.   | Reduce areas of semi-<br>impermeable surfaces.   | Essential   | Construction                     | Proposed Development<br>is constructed as per<br>requirement, contractor<br>to regularly review and<br>oversee works. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)   |
| HFR25 | Hydrology and flood risk    | ES Chapter 10 Hydrology<br>and Flood risk<br>(Document Reference<br>6.2.10) | Vehicular access would be limited to<br>maintenance activities. Equipment will be<br>provided to contain and clean up any spills of<br>fuel or lubricants as required. Regular  | Avoid pollution of water resources.  | Essential   | Operation                        | Ongoing management<br>and maintenance as<br>outlined in the LEMP,<br>and to be further                                | Implementation of LEMP<br>including meeting any targets<br>and reporting requirements  |

| Ref.  | Торіс                       | Environmental action<br>/ commitment source<br>ref.  | Environmental action/commitment   | Environmental action /<br>commitment objective  | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage                                | Monitoring<br>requirements   | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements  |
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| HFR27 | Hydrology and<br>flood risk | ES Chapter 10 Hydrology<br>and Flood risk<br>(Document Reference<br>6.2.10)                            | <ul> <li>inspection of the tracks would occur to ensure<br/>no unacceptable erosion is taking place, with<br/>appropriate practicable remedial action taken,<br/>should erosion be noted. No vehicle cleaning or<br/>refuelling would take place within the site and<br/>drip trays would be placed underneath any<br/>stationary maintenance vehicles.</li> <li>Vegetation will be maintained under the drip<br/>line of all solar PV modules to reduce erosion<br/>and ensure greenfield drainage is maintained. If<br/>livestock is to be used to maintain sward length<br/>stock will be rotated and vegetation shall be<br/>maintained at all times. No feeding or livestock<br/>tending will take place within the watercourse<br/>buffer zones.</li> </ul> | Reduce erosion and ensure<br>greenfield drainage is<br>maintained.  | Essential   | Operation                                    | formalised by the<br>contractor.<br>Ongoing management<br>and maintenance as<br>outlined in the LEMP,<br>and to be further<br>formalised by the<br>contractor. | within this (DCO<br>Requirement 12)<br>Implementation of LEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 12)   |
| HFR28 | Hydrology and<br>flood risk | ES Chapter 10 Hydrology<br>and Flood risk<br>(Document Reference<br>6.2.10)                            | A buffer zone around Little Stainton Beck has<br>been incorporated into the design to allow the<br>watercourse to maintain natural course and<br>allow space for geomorphic movements due to<br>increase future flows.  | Allow the watercourse to<br>maintain natural course and<br>allow space for geomorphic<br>movements due to increase<br>future flows. | Enhancement   | Operation                                    | Proposed Development<br>is operated as per<br>requirement, contractor<br>to regularly review and<br>oversee works.   | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)  |
| HFR29 | Hydrology and<br>flood risk | ES Appendix 10.1 Flood<br>Risk Assessment and<br>Drainage Strategy<br>(Document Reference<br>6.4.10.1) | All critical infrastructure is located outside of the Flood Zones.  | Management of flood risk<br>and surface water.  | Embedded  | Construction and operation                   | Proposed Development<br>is constructed and<br>operated as per<br>requirement, contractor<br>to regularly review and<br>oversee works.                          | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)  |
| HFR30 | Hydrology and<br>flood risk | ES Appendix 10.1 Flood<br>Risk Assessment and<br>Drainage Strategy<br>(Document Reference<br>6.4.10.1) | Solar panels will be raised sufficiently above the 1.0% AEP flood level and not impede overland flow routes.  | Management of flood risk<br>and surface water.  | Embedded  | Construction and operation                   | Proposed Development<br>is constructed and<br>operated as per<br>requirement, contractor<br>to regularly review and<br>oversee works.                          | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3)  |
| HFR31 | Hydrology and<br>flood risk | ES Appendix 10.1 Flood<br>Risk Assessment and<br>Drainage Strategy<br>(Document Reference<br>6.4.10.1) | Implementation of measures outlined in ES<br>Appendix 10.1 Flood risk assessment (FRA) and<br>Drainage Strategy (Document Reference<br>6.4.10.1) describes the design standards and<br>drainage to be maintained onsite.<br>It is noted that the current EA groundwater<br>data and groundwater contours used in these<br>documents are for the bedrock groundwater<br>only. As such the FRA and drainage strategy<br>would require refinement if shallow   | Management of flood risk<br>and surface water.  | Embedded  | Construction, operation, and decommissioning | Proposed Development<br>is constructed and<br>operated as per<br>requirement, contractor<br>to regularly review and<br>oversee works.                          | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3).<br>Implementation of CEMP<br>(DCO Requirement 4). |

| Ref.  | Торіс                       | Environmental action<br>/ commitment source<br>ref.  | Environmental action/commitment  | Environmental action /<br>commitment objective  | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage                    | Monitoring<br>requirements  | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements                                 |
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|       |                             |  | groundwater is encountered during site construction work.  |   |   |                                  |   |  |
| HFR32 | Hydrology and<br>flood risk | ES Appendix 10.1 Flood<br>Risk Assessment and<br>Drainage Strategy<br>(Document Reference<br>6.4.10.1) | New landscaping will improve upon existing<br>arable farmland by intercepting runoff and<br>promoting natural sedimentation, filtration and<br>infiltration.   | Management of flood risk and surface water.   | Embedded  | Construction and operation       | Regular review of<br>delivery of CEMP,<br>contractor to determine<br>frequency.   | Implementation of CEMP<br>(DCO Requirement 4), via the<br>requirement of the Drainage<br>Strategy.   |
| HFR34 | Hydrology and<br>flood risk | ES Appendix 10.1 Flood<br>Risk Assessment and<br>Drainage Strategy<br>(Document Reference<br>6.4.10.1) | Ancillary infrastructure will be surrounded by a<br>crushed stone apron consisting of clean 40-<br>70mm stone to promote natural land drainage<br>conditions locally.  | Management of flood risk<br>and surface water.  | Embedded  | Construction and operation       | Contractor to regularly<br>review and oversee<br>works.   | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3) |
| HFR35 | Hydrology and<br>flood risk | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)                              | A Construction Surface Water Management<br>Plan (CSWMP) would be produced prior to<br>construction.  | Ensure site wide<br>management of rainfall<br>runoff, site drainage, surface<br>water and groundwater<br>including monitoring<br>requirements during<br>construction. | Embedded  | Construction                     | Regular review of<br>delivery of CEMP,<br>contractor to determine<br>frequency.   | Implementation of CEMP<br>including meeting any targets<br>and reporting requirements<br>within this (DCO<br>Requirement 4)  |
| HFR36 | Hydrology and<br>flood risk | ES Chapter 10 Hydrology<br>and Flood risk<br>(Document Reference<br>6.2.10)                            | Up to date requirements set out in pollution<br>prevention guidance (and any other relevant<br>guidance available at the time of construction)<br>will be provided in the CEMP.  | Pollution prevention of watercourses.   | Embedded  | Construction and decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.  | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this                        |
| HFR37 | Hydrology and<br>flood risk | ES Chapter 10 Hydrology<br>and Flood risk<br>(Document Reference<br>6.2.10)                            | Trenching or excavation activities in open land would cease during periods of intense rainfall.  | Mitigate any potential<br>impacts on the water quality<br>of the sub-catchments<br>through erosion during<br>construction.  | Embedded  | Construction and decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.  | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this                        |
| NV1   | Noise and vibration         | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)                              | Inverters and any other sources of noise<br>associated with the operational phase of the<br>Proposed Development have been located as<br>far as reasonably possible to a minimum of<br>300m from existing sensitive receptors, within<br>the design, to minimise potential noise levels at<br>the receptors. The inverters will also be housed<br>within containers which will further reduce the<br>noise levels at source. | Minimise potential noise<br>levels at the receptors.  | Embedded  | Operation                        | Proposed Development<br>is constructed and<br>operated as per<br>requirement, contractor<br>to regularly review and<br>oversee works. | Implementation of detailed<br>design in accordance with the<br>design principles outlined in<br>the Design Approach<br>Document (Document<br>Reference 7.2) (DCO<br>Requirement 3) |
| NV2   | Noise and vibration         | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)                              | Measures to control noise as defined in Annex<br>B of BS 5228:2009+A1:2014 'Code of practice<br>for noise and vibration control on construction<br>and open sites - Part 1: Noise' and measures to   | Manage noise and vibration<br>emissions from construction<br>activities.  | Embedded  | Construction and decommissioning | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.  | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets   |

| Ref. | Торіс                    | Environmental action<br>/ commitment source<br>ref.                            | Environmental action/commitment   | Environmental action /<br>commitment objective  | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage   | Monitoring<br>requirements  | How the environmental<br>action/ commitment will<br>be implemented/ secured,<br>including any achievement<br>criteria or reporting<br>requirements          |
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|      |                          |  | control vibration as defined in Section 8 of BS<br>5228:2009+A1:2014 'Part 2: Vibration' will be<br>adopted where reasonably practicable. These<br>measures represent 'Best Practicable Means'<br>(BPM) (as defined by section 72 of the COPA<br>1974) to manage noise and vibration emissions<br>from construction activities and are considered<br>relevant to decommissioning.   |   |   |   |   | and reporting requirements within this  |
| NV3  | Noise and vibration      | ES Chapter 11 Noise and<br>vibration Section<br>(Document Reference<br>6.2.11) | Additional mitigation such as noise barriers<br>around noise sources, or selection of<br>equipment with lower sound power levels may<br>be required as and where agreed with the local<br>planning authority.   | Manage noise and vibration<br>emissions from construction<br>activities.  | Essential   | Construction and decommissioning  | Regular review of<br>delivery of CEMP and<br>DEMP, contractor to<br>determine frequency.                  | Implementation of CEMP<br>(DCO Requirement 4) and<br>DEMP (DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this |
| NV4  | Noise and vibration      | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)      | During decommissioning, the contractor will<br>ensure that the impacts from decommissioning<br>traffic on the local community (including local<br>residents and businesses and users of the<br>surrounding transport network) are minimised,<br>where reasonably practicable. Requirements<br>will be agreed with the local authority at the<br>time of decommissioning.  | Manage noise and vibration<br>emissions from<br>decommissioning activities.   | Embedded  | Decommissioning   | Regular review of<br>delivery of DEMP,<br>contractor to determine<br>frequency.                           | Implementation of DEMP<br>(DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this                                 |
| ТТ1  | Traffic and<br>transport | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)      | Ensure construction traffic, including site<br>personnel movements,<br>are managed and safely controlled at the<br>Proposed Development.<br>If temporary lane closures or diversions are<br>required, this will be managed in accordance<br>with the requirements of the CTMP.<br>During decommissioning, the contractor will<br>ensure that the impacts from decommissioning   | Manage construction traffic<br>to minimise the effects on<br>receptors within the study<br>area.                    | Embedded  | Construction  | Regular review and<br>updates to CTMP.<br>Contractor to<br>determine frequency in<br>development of CTMP. | Implementation of DEMP<br>(DCO Requirement 6)<br>including meeting any targets<br>and reporting requirements<br>within this                                 |
| TT2  | Traffic and<br>transport | ES Chapter 2 The<br>Proposed Development<br>(Document Reference<br>6.2.2)      | <ul> <li>traffic on the local community (including local residents and businesses and users of the surrounding transport network) are minimised, where reasonably practicable. Requirements will be agreed with the local authority at the time of decommissioning. Measures may include</li> <li>The management of vehicles on-site.</li> <li>The proposed access arrangements for decommissioning traffic across the decommissioning programme.</li> <li>The access arrangements for decommissioning vehicles and staff.</li> <li>The location of any wheel wash facilities.</li> </ul> | Manage impacts upon<br>severance and intimidation<br>associated with increased<br>traffic during<br>decommissioning | Embedded  | Decommissioning<br>(Note impacts during<br>construction are managed<br>via the application of a<br>CTMP, secured via<br>measure GEN3 of this<br>table. No mitigation is<br>required for the<br>operational phase) | Regular review of<br>delivery of DEMP,<br>contractor to determine<br>frequency.                           | Implementation of DEMP<br>(DCO Requirement 5)<br>including meeting any targets<br>and reporting requirements<br>within this                                 |

| Ref. | Торіс | Environmental action<br>/ commitment source<br>ref. | Environmental action/commitment   | Environmental action /<br>commitment objective | Type of<br>mitigation<br>(Embedded<br>or Essential) | Project stage |
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|      |       |   | <ul> <li>Measures to ensure the transportation of decommissioning materials and waste is managed as sustainably as possible</li> <li>The scheduling of decommissioning material and logistics traffic movements on the LRN and SRN outside of peak hours and to use designated routes into decommissioning sites.</li> <li>The consolidation of decommissioning worker trips if possible.</li> <li>Detail of cooperation with the Distribution Network Operator (DNO), during the works to enable connection at Norton Substation, to minimise potential cumulative effects of such works being carried out.</li> <li>Measures to implement temporary decommissioning compounds within each Panel Area to reduce the impact of vehicle deliveries and turning movements on the LRN.</li> <li>Any other mitigation required at the time to minimise the impact of decommissioning traffic on the transport network.</li> </ul> |  |   |               |

| Monitoring   | How the environmental<br>action/ commitment will<br>be implemented/ secured, |
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| requirements | including any achievement<br>criteria or reporting                           |
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